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**Print or Type All Information (Except Signatures)**

1. Date  
5/6/94

25.

DMR. No. 94-DMR-001009 5/23/04

2. Existing Document Number/Revision 5-21000-OPS-FO.4/Rev.2			3. New Document Number or Document Number if it is to be changed with this Revision N/A		
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8. Item	9. Page	10. Step	11. Proposed Modifications		
			<b>LIMITED SCOPE:</b> This DMR is limited to the Dam Upgrades Project.		
1	3 of 21	Section 3.0	1st paragraph, 1st sentence, change to: "...and Safety Specialist will not perform...leaving a work area unless field monitoring results indicated contaminant levels higher than background levels."		
2	5 of 21	Section 5.1	1st sentence, change to: "At the work site, contamination reduction will be accomplished, if results of field monitoring indicate it is necessary to do so, by using the following items:"		
12. Justification (Reason for Modification, EJO#, TP#, etc.) 1 and 2 above: 1. Work area is not anticipated to have contamination. 2. Same.					
If modification is for a new procedure or a revision, list concurring disciplines in Block 13, and enter N/A in Blocks 14 and 15. If modification is for any type of change or a cancellation, organizations are listed in Block 13, then Concuror prints, and signs in Block 14, and dates in Block 15.					
13. Organization	14. Print and Sign (if applicable)				15. Date (if applicable)
SME	Annette Schmiechen [Signature] for AK Schmiechen				5/24/94
EQS	Mark Brooks (BR) [Signature] for M. Brooks				5.24.94
16. Originator's Supervisor (print/sign/date) S. Marshall Abraham for S.A. Marshall					
17. Assigned SME/Phone/Page/Location Annette Schmiechen/3191/4484/T891E		18. Cost Center 0248	19. Charge Number ENV-FO	20. Requested Completion Date 5/23/94	21. Effective Date 06/01/94 RR
22. Accelerated Review? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		23. ORC Review ORC Review Not Required; This Nonintent Change is being processed as an Intent Change to expedite the DMR process.			
24. Responsible Manager (print sign/date) Marla Broussard [Signature]					

REVIEWED FOR CLASSIFICATION/UCNI

BY \_\_\_\_\_ NA  
DATE \_\_\_\_\_ NA

DOCUMENT CLASSIFICATION REVIEW WAIVER  
PER R.B. HOFFMAN, CLASSIFICATION OFFICE  
JUNE 11, 1991

## HEAVY EQUIPMENT DECONTAMINATION

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### 2.0 PURPOSE AND SCOPE

This standard operating procedure (SOP) describes the procedures and equipment that will be used at the Rocky Flats Plant (RFP) to remove contaminants that may accumulate on heavy equipment. This SOP is applicable to all operations conducted as part of the Environmental Management (EM) Program.

This SOP describes the equipment and procedures required to complete decontamination of heavy equipment.

### 3.0 RESPONSIBILITIES AND QUALIFICATIONS

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Radiological Engineering-approved contractor Environmental Health and Safety Specialist will not perform radiation screening of all personnel and equipment leaving a work area unless field monitoring results indicated contaminant levels higher than background levels. Screening will be performed in accordance with EG&G Radiological Operation Instruction 3.1 and screening procedures will follow Section 6.3, Contamination Monitoring of this SOP. For radiologically contaminated equipment, radiation screening will be performed following each field decontamination procedure until the equipment is free of radiological contamination or the decision is made to seal the contaminated area and transport the equipment to the central decontamination station. All radiologically contaminated heavy equipment transported to the central decontamination station will be screened by the Radiological Engineering-approved contractor Environmental Health and Safety Specialist following decontamination.

The subcontractor's project manager is responsible for ensuring that appropriate project staff and equipment are assigned to implement field decontamination, transport, and final decontamination of heavy equipment used by that subcontractor. The subcontractor's Site Safety Officer is responsible for performing Volatile Organic Compound (VOC) contamination screening of heavy

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equipment in accordance with the procedures given in Section 6.3, Contamination Monitoring, of this SOP. The subcontractor's Site Safety Officer is also responsible for performing radiological monitoring during contaminant reduction of heavy equipment in the field.

All personnel operating heavy equipment or company vehicles must have appropriate training and licenses.

#### 4.0 REFERENCES

##### 4.1 SOURCE REFERENCES

A Compendium of Superfund Field Operations Methods. EPA/540/P-87/001. December 1987.

Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities.

NIOSH/OSHA/USCG/EPA. October 1985.

Nuclear Weapon Accident Response Procedures (NARP) Manual. The Defense Nuclear Agency.  
January 1984. Change 1, July 1984.

Radiological Operating Instruction (ROI) 3.1. EG&G.

Standard Operating Safety Guides. EPA. November 1984.

Technical Enforcement Guidance Document (TEGD). EPA. 1986.

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### 4.2 INTERNAL REFERENCES

Related SOPs cross-referenced by this SOP are as follows:

- SOP FO.3, General Equipment Decontamination
- SOP FO.7, Handling of Decontamination Water and Wash Water
- SOP FO.8, Handling of Drilling Fluids and Cuttings
- SOP FO.10, Receiving, Labeling, and Handling Environmental Materials Containers

### 5.0 EQUIPMENT REQUIRED

#### 5.1 CONTAMINATION REDUCTION IN THE FIELD

At the work site, contamination reduction will be accomplished, if results of field monitoring indicate it is necessary to do so, by using the following items:

- Spatula
- Stiff bristle brushes
- Long-handled shovel
- Plastic sheeting
- Absorbent wipes
- Containers for potentially contaminated media
- A trailer and tow vehicle to transport heavy equipment from work areas known or suspected of containing surficial contamination to a central decontaminating station. Procedures to limit the spread of contamination during transport are provided in Subsection 6.4.

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